ABSTRACT OF THE DISCLOSURE

In a PDP, an inductor is coupled to an electrode of a panel capacitor. A current of a first direction is injected to the inductor to store energy, and the voltage of the electrode is changed to $V_s/2$ using a resonance between the inductor and the panel capacitor and the stored energy. The difference between the Y electrode voltage $V_s/2$ and the X electrode voltage $-V_s/2$ causes a sustain on the panel. Subsequently, a current of a second direction, which is opposite to the first direction, is injected to the inductor to store energy therein. The voltage of the electrode is changed to $-V_s/2$ using a resonance between the inductor and the panel capacitor and the energy stored therein.